BRUHAT BENGALURU MAHANAGARA PALIKE

MEASUREMENT SHEET

PRE-MEASUREMENT

Name of work:	Construction of Garadi Mane at Nisarga Ground Yelahanka 4th Phase in Someshwara Ward No. 03 of Yelahanka Satellite Town Sub Division.
Estimated Cost :	Rs. 30.00 Lakhs
Head of Account :	P-3726
Name of Agency:	Sri K. Shankar Reddy, # 3, 1st Cross, 1st Main Road, Ramachandrappa Layout, Arabic College Post, Veeranna Palya, Bangalore - 45.
Work order No:	BBMP/EE/YNK.D/EPMT-12/W.O/67/2022-23 D: 11-01-2023.

Measurement Recorded on : 18.01.2023.

Sl. No.	Description of Item	No.	L	B	D	Qty.	Rate / Unit
1	Earth work excavation by manual means for drains,canals, waste weir, draft, approach channels, key trenches, foundation of bridges and such simillar works in all kinds of soils , as per drawing and technical specifications, including setting out, shoring, strutting, barricading, caution lights, removal of stumps and other deleterious matter, excavated surface leveled and sides neatly dressed disposing off the excavated stuff or sorting & stacking the selected stuff for reuse in a radius of 50 m and lift upto 1.5 m including cost of labour, tools & other appurtenaces required to complete the work.						Cum
	Column Footings						
		10	3.00	3.00	2.00	180.00	
	SSM Footing						
	Along Long Direction	2	19.60	0.80	0.75	23.52	
	Along Short Direction	5	7.30	0.80	0.75	21.90	
		3	3.20	0.75	0.75	5.40	
	Deductions						
	Columns	10	3.00	0.75	0.75		
		Total Qty =				413.90	Cum

Assistant Engineer
Ward No. 03

K. Shankar Reddy

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division

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Sl. No.	Description of Item	No.	L	B	D	Qty.	Rate / Unit
	Measurement Recorded on : 19.01.2023						
2	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications						Cum
	Flooring Area:-Rooms	10	3.00	3.00	0.10	9.00	
		Total Qty =				9.00	Cum

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Yelahanka Satellite Town Sub Division
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K Sankar Reddy

Sl.	Description of Item	No.	L	B	D	Qty.	Rate / Unit
	Measurement Recorded on : 20.01.2023.						
3	Providing and laying in position plain cement concrete for levelling course for all works in foundation.The granite / trap / basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed, laid in layers not exceeding 150mm thickness, well compacted using plate vibrators,including all lead & lifts, cost of all materials of quality, labour, Usages charges of machineries, curing and all the other appurtenances required to complete the work as per technical specifications.(The cost of steel reinforcement & form work shall be paid separately) Mix 1:3:6 (M10)Using 40mm nominal size graded crushed coarse aggregates.						Cum
	Column Footings						
		10	3.00	3.00	0.15	13.50	
	SSM Footing						
	Along Long Direction	2	19.60	0.75	0.15	4.41	
	Along Short Direction	5	7.30	0.75	0.15	4.11	
		3	3.20	0.75	0.15	1.08	
	Deductions						
	Columns	10	3.00	0.75	0.15	-3.38	
			Total Qty =			**19.72**	Cum

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K. Sankar Reddy

Sl. No.	Description of Item	No.	L	B	D	Qty.	Rate / Unit
	Measurement Recorded on : 25/01/2023						
5	Providing Size Stone masonry with hard stone in foundation & plinth with Cement mortar 1:6 (1 cement : 6 coarse sand)						Cum
	1st Course						
	Along Long Direction	2	19.60	0.60	0.45	10.58	
	Along Short Direction	5	7.30	0.60	0.45	9.86	
	Partition	3	3.20	0.45	0.45	1.94	
	Deductions						
	Columns	10	3.00	0.60	0.45	-8.10	
		Total Qty =				14.28	Cum

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K. Sankar Reddy

Sl. No.	Description of Item	No.	L	B	D	Qty.	Rate / Unit
	Measurement Recorded on :	23.01.2023, 27.01.2023					
9	Providing and laying in position Reinforced cement concrete for all Sub structures of building, Irrigation works, Sub structure works of bridges, Drain works & other parallel works from 0.50m to 3.50 m height. The granite/trap/basalt crushed graded coarse aggregates and fine aggregates as per relevant IS Codes machine mixed with super plasticisers, laid in layers, well compacted using needle vibrators, providing weep holes wherever necesary, including all lead & lifts, cost of all materials of quality, confirming to the requirements of relevant IS codes, labour, Usage charges of machinery, curing and all other appurtenances required to complete the work as per technical specifications. (The cost of steel reinforcement & formwork to be paid separately M25 Design Mix Using 20 mm nominal size graded crushed coarse aggregate						Cum
	Column Footings						
		10	3.00	3.00	0.65	58.50	
	Column below Plinth						
		10	0.30	0.45	0.60	0.81	
	Plinth Beam						
	Along Long Direction	2	19.30	0.23	0.30	2.66	
	Along Short Direction	5	7.30	0.23	0.30	2.52	
		Total Qty =				64.49	Cum

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K. Sankara Reddy

Sl.	Description of Item	No.	L	B	D	Qty.	Rate / Unit
	Measurement Recorded on : 23/01/2023 · 27/01/2023. 02/02/2023, 13/02/2023						
15	Providing Thermo-Mechanically Treated bars of grade Fe-500D or more Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position, binding and anchoring to adjacent members whereever necessary complete as per Design including cost of material, labour, usage charges complete as per specifications. (The laps and wastages shall not be measured separately						Kgs
	For Colums						
	Footing Columns		23/01/2023				
	12mm	10	34x2	680.00	0.89	605.20	
	12mm	10	34x2	680.00	0.89	605.20	
	Columns		02/02/2023.				
	16mm	10x10	5.00	500.00	1.58	790.00	
	12mm	10x6	5.00	300.00	0.89	267.00	
	10mm Rings	10x42	1.36	571.20	0.62	354.14	
	Plinth		27/01/2023.				
	16 mm	8	76.05	608.40	1.58	961.27	
	12 mm	6	76.05	456.30	0.89	406.11	
	10 mm Rings	634	1.45	919.30	0.62	569.97	
	Lintel		13/02/2023.				
	12 mm	4	76.05	304.20	0.89	270.74	
	10 mm	4	76.05	304.20	0.62	188.60	
	8 mm Rings	634	0.76	481.84	0.39	187.92	
	Tie Beam						
	16 mm	8	76.05	608.40	1.58	961.27	
	12 mm	6	76.05	456.30	0.89	406.11	
	10 mm Rings	634	1.45	919.30	0.62	569.97	
	Chejjas		13/02/2023				
	10 mm	36	0.45	16.20	0.62	10.04	
	8 mm	5	5.30	26.50	0.39	10.34	
	10 mm	26	0.45	11.70	0.62	7.25	
	8 mm	5	3.75	18.75	0.39	7.31	
	10 mm	33	0.45	14.85	0.62	9.21	
	8 mm	5	4.90	24.50	0.39	9.56	
	10 mm	17	0.45	7.65	0.62	4.74	
	8 mm	5	2.40	12.00	0.39	4.68	
	10 mm	15	0.45	6.75	0.62	4.19	
	8 mm	5	2.10	10.50	0.39	4.10	
	10 mm	15	0.45	6.75	0.62	4.19	
	8 mm	5	1.80	9.00	0.39	3.51	
	10 mm	15	0.45	6.75	0.62	4.19	
	8 mm	5	2.10	10.50	0.39	4.10	
	10 mm	15	0.45	6.75	0.62	4.19	
	8 mm	5	2.10	10.50	0.39	4.10	
	For Roof Slab		28/02/2023				
	12 mm	115	7.60	874.00	0.89	777.86	
	Crank	115	7.90	908.50	0.89	808.57	
	10 mm	43	19.30	829.90	0.62	514.54	
	Crank	43	19.60	842.80	0.62	522.54	
	Front Projection						

Sl. No.	Description of Item	No.	L	B	D	Qty.	Rate / Unit
	12 mm	42	0.90	37.80	0.89	33.64	
	Crank	42	1.10	46.20	0.89	41.12	
	10 mm	10	4.00	40.00	0.62	24.80	
	Crank	10	4.20	42.00	0.62	26.04	
	Above Toilet						
	12 mm	16	1.60	25.60	0.89	22.78	
	Crank	16	1.80	28.80	0.89	25.63	
	10 mm	8	3.20	25.60	0.62	15.87	
	Crank	8	3.40	27.20	0.62	16.86	
		Total Qty =				**10069.41**	
		Qty Ltd to Approved Qty =				**10055.91**	Kgs

Assistant Engineer
Ward No. 03

Assistant Executive Engineer
Yeshwanthapura Satellite Town Sub Division

K. Sankar Reddy

Sl.	Description of Item	No.	L	B	D	Qty.	Rate / Unit
	Measurement Recorded on : 13/03/2023.						
19	Providing and laying Cement concrete flooring 40 mm thick with 20 mm nominal size stone aggregate using 1:2:4 (1 cement : 2 coarse sand : 4 graded stone aggregate) finished with a floating coat of neat cement, including cement slurry complete						Sqm
	Groumd Floor:-						
	Enterance Room	1	7.30	5.50		40.15	
	Enterance Portion	1	3.20	1.50		4.80	
	Small Room	1	3.20	2.10		6.72	
		1	3.20	1.60		5.12	
	Toilets	2	1.60	1.50		4.80	
	Big Hall	1	10.05	7.30		73.37	
		Total Qty =				134.96	Sqm

Assistant Engineer
Ward No. 03

Assistant Executive Engineer
Yelahanka Satellite Town Sub Division
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K. Sanjeeva Reddy